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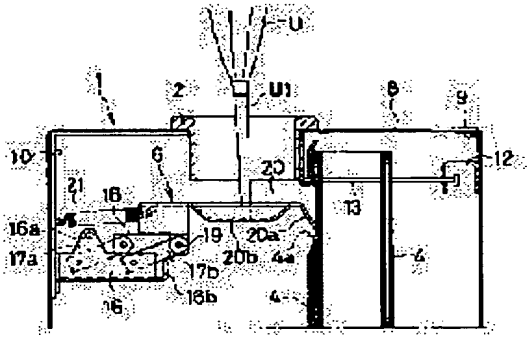
(54) UMBRELLA BAG STORAGE DEVICE

(57)Abstract:
PURPOSE: To provide an umbrella bag storage device of which the structure is simple, and which can assuredly put an umbrella in a storage bag, for a device which is provided at the entrance of, e.g. a hotel or store, etc., and in which a wet umbrella is automatically put in a bag on rainy days, and umbrella storage bags to be used for such a device.
CONSTITUTION: Storage bags 4 for umbrellas U are loaded in a device main body 1. Then, an opening operation member 20 which opens the insertion port 4a of the storage bag 4 is rotatably provided in the device main body 1. The device is constituted in such a manner that the insertion port 4a of the storage bag 4 is opened by rotating the opening operation member 20 by the tip of an umbrella.



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DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]
[Industrial Application] This invention is installed in entries, such as a hotel and a store, and relates to the equipment which contains automatically the umbrella which was damp in case of rainy weather in a bag.
[0002]
[Description of the Prior Art] At the former, for example, a hotel, a store, etc., in order to prevent clothes, a floor or goods, etc. being damp by walking around with the umbrella with which the visitor got wet in case of rainy weather, containing an umbrella to the storage bag which consists of synthetic resin etc. is performed. Moreover, insertion opening of a storage bag is wide opened automatically so that receipt actuation of the umbrella to a storage bag can be performed easily, and the equipment it enabled it to contain only by inserting an umbrella in the opened insertion opening is proposed variously (for example, reference, such as JP,60-134817,A, JP,62-125708,U, and JP,4-31222,A).
[0003]
[Problem(s) to be Solved by the Invention] However, since the conventional thing uses a means, much links, a cam mechanism, etc. which are attracted with negative pressure as a means to open insertion opening of a storage bag, while its configuration is complicated Since a vacuum suction pump, a motor, etc. must be used, and a power cord moreover becomes obstructive or it is used [which cannot be used for near in the place which does not have a power source] for rainy weather while manufacture cost increases, there were problems, like there is also fear of a short circuit.
[0004] what was proposed in view of the trouble of the above [this invention] -- it is -- the above power sources -- unnecessary -- moreover -- structure -- it aims at offering the umbrella storage bag which is simply and certainly suitable in a bag at the equipment and it which can contain an umbrella.
[0005]
[Means for Solving the Problem] In order to attain the above-mentioned purpose, the bag receipt equipment of the umbrella by this invention is considered as the following configurations. That is, the body of equipment is loaded with the storage bag of an umbrella, the opening operation member which opens insertion opening of the storage bag is prepared rotatable in the body of equipment, and it is characterized by constituting so that insertion opening of the above-mentioned storage bag may be opened by rotating the opening operation member at the tip of an umbrella.
[0006]
[Function] By having prepared the opening operation member which opens insertion opening of the storage bag with which the body of equipment was loaded as mentioned above rotatable in the body of equipment, and having constituted so that insertion opening of a storage bag might be wide opened by rotating the opening operation member at the tip of an umbrella, a storage bag is opened wide simply and certainly and becomes possible [containing an umbrella in a bag by one-touch].
[0007]
[Example] Hereafter, this invention is concretely explained based on the example shown in drawing. The perspective view and drawing 2 which show one example of the bag receipt equipment of the umbrella according [drawing 1] to this invention are [the top view and drawing 4 of the expansion vertical section front view and drawing 3 R> 3] crossing top views. In drawing, 1 is the body of equipment formed in longwise abbreviation box-like, opening 1a of the letter of the flat-surface abbreviation for U characters which inserts an umbrella is prepared in the top face of the body 1, and the frame 2 is formed in the opening edge. Moreover, opening 1b is prepared in the front center section of the body 1 of equipment succeeding the above-mentioned opening 1a, and the plinth 3 is formed in the lower limit of a body 1 in one.
[0008] In the body 1 of equipment, as shown in drawing 2 and drawing 4 , the device hold room 7 in which the opening operation device 6 for making insertion opening of the storage bag 4 held in the bag hold room 5 in which the storage bag 4 of an umbrella is held, and its bag hold room 5 open wide is held is formed, and the closing motion lid 8 for holding a storage bag 4 is formed in the top face of the bag hold room 5 possible [closing motion] with the hinge 9.
[0009] Moreover, the fixed support substrate 10 is attached in the up inside of the body 1 of equipment over both above-mentioned ** 5-7, and the support plate 11 is attached in the bag hold room 5 side of the fixed support substrate 10. Hook 11a is prepared in the support plate 11 in one, and the hanger 13 of the flat-surface abbreviation KO typeface which hangs and holds a storage bag 4 to the hook 11a and the stop member 12 which countered it and was attached in the up inside of the body 1 of equipment is formed free [attachment and detachment].
[0010] The above-mentioned storage bag 4 is what was formed in the shape of [which has insertion opening 4a in the upper part with a synthetic-resin film etc. in this example as shown in drawing 5] an envelope, and front [in the insertion opening 4a], upper limit section 41a of a piece 41 is turned up in the shape of U character. In the case of drawing, although upper limit section 41a is turned up to the backside, i.e., a back piece, 42, you may turn up to a before side, i.e., the back piece 42 and the opposite side. Moreover, rather than the front piece 41, a projection is established up and, as for upper limit section 42a of the piece 42 of after, hanging hole 4b of a pair is prepared in the lobe. The aforementioned KO typeface hanger 13 is inserted in each of that hanging hole 4b, and by making the KO typeface hanger 13 engage with stop hole 12a formed in above-mentioned hook 11a and said stop member 12 as shown in drawing 2 , respectively, many storage bags 4 hang and are held.
[0011] Moreover, the press plate 14 is formed in the tooth-back side of the storage bag 4 of the large number by which hanging maintenance was carried out movable along with a hanger 13, and the compression coil spring 15 is formed between the press plate 14 and the above-mentioned stop member 12. The compression coil spring 15 is always carrying out migration energization of the storage bag 4 by drawing 2 at the left by carrying out insertion maintenance and making the tooth back of a storage bag 4 carry out the pressure welding of the above-mentioned press plate 14 to the above-mentioned hanger 13 with the spring 15.
[0012] The standing ways 16 which hold arrangement of the opening operation device 6 for making insertion opening 4a of a storage bag 4 open wide as mentioned above is carried out into said device hold room 7, and, on the other hand, formed the opening operation device 6 in said fixed support substrate 10 in one, It consists of a movable base 18 established in the standing ways 16 possible [an attitude] to the above-mentioned storage bag 4 by parallel link 17a and 17b of the KO typeface of a pair, and a tabular opening operation member 20 prepared rotatable by the pivot 19 on the movable base 18. Although it was made to make the pivot 19 use also [connecting shaft / over the movable base 18 of one parallel link 17b] in the example of illustration, it may prepare separately respectively.
[0013] point 20a of the above-mentioned opening operation member 20 -- the shape of a flat-surface abbreviation triangle -- and it places crookedness formation upside down and crevice 20b which the shoe U1 at the tip of Umbrella U is made to contact is formed in the center-

section top face of the opening operation member 20. Moreover, flection 20c of an inner sense KO typeface is formed in the both-sides section of point 20a of the above-mentioned opening operation member 20, and the opposite side, and it is constituted so that the inferior surface of tongue of the flection 20c may contact the top face of the movable base 18. 21 are the rotation return spring of the opening operation member 20 which consists of an extension spring among drawing, and connection maintenance of the both ends of the return spring 21 is carried out at the spring receptacle 22-23 prepared in the opening operation member 20 and said fixed support substrate 10, respectively. 16a and 16b are stoppers which said parallel link 17a and 17b contact, and regulate the rocking range of the movable base 18.

[0014] In the above-mentioned configuration, it hangs to a hanger 13 and the storage bag 4 which contains Umbrella U is held, as shown in drawing 2 , and migration energization is always carried out by drawing 2 through the press plate 14 at the left with the compression coil spring 15. Moreover, time of peace can be drawn near to a left by drawing 2 by the return spring 21, and the opening operation member 20 and the movable base 18 have one link 17a in the condition of drawing in contact with stopper 16a.

[0015] In the condition, in containing Umbrella U in a storage bag 4, as shown in drawing 2 , insert the point of Umbrella U into a body 1 from opening 1a of the shape of U character of the top face of the body 1 of equipment, and the shoe U1 at the tip is made to contact the top face of crevice 20b of the opening operation member 20, and Umbrella U is depressed caudad. Then, while the opening operation member 20 resists a return spring 21 with the movable base 18 first, and it moves to the method of the right by a diagram, as shown in drawing 6 , and migration of the movable base 18 is prevented for right-hand side link 17b in contact with stopper 16b by a diagram, point 20a of the opening operation member 20 contacts the upper part of the piece of after the storage bag 4 like forefront.

[0016] If Umbrella U is further depressed caudad in the condition, as shown in drawing 7 , the opening operation member 20 will resist an extension spring 21, it will rotate clockwise focusing on a pivot 19 by a diagram, and point 20a of the opening operation member 20 will advance into insertion opening 4a of the above-mentioned storage bag 4. If Umbrella U is furthermore depressed caudad, as shown in drawing 8 , point 20a of the opening operation member 20 advances deeply into insertion opening 4a, and the shoe U1 of the umbrella U which the opening operation member 20 inclined downward further in it and coincidence, and was made to contact the top face of crevice 20b of the opening operation member 20 will slide on the front face of crevice 20b, and will advance into a storage bag 4.

[0017] And the upper part of hanging hole of storage bag 4 4b is torn to pieces by pulling out dropping a little the bag 4 which can contain Umbrella U automatically in a bag 4 by depressing Umbrella U caudad further as shown in drawing 9 , and contained the umbrella U ahead of the body 1 of equipment in Umbrella U, and it separates from a hanger 13, and can take out easily. Moreover, by taking out ahead the umbrella U contained into the bag 4, with an extension spring 21, the opening operation member 20 and the movable base 18 return to the original condition of drawing 2 automatically, and will be in a standby condition.

[0018] In addition, if the movable base 18 is formed possible [an attitude] to the storage bag 4 with which it loaded into the body 1 of equipment in the body 1 of equipment like the above-mentioned example and it is made to make the movable base 18 support the opening operation member 20 rotatable Rather than the opening operation member 20 rotates up focusing on a pivot 19 and returns to an abbreviation level condition, in case the opening operation member 20 returns to the original condition as mentioned above in front The movable base 18 can draw near to a left in drawing 9 with an extension spring 21, and the opening operation member 20 also moves to a left, and since it returns to the original condition, without contacting the storage bag with which the opening operation member 20 is standing by next, it can prevent having turned over the following storage bag.

[0019] Although parallel link 17a and 17b of a pair were used for the above-mentioned example as a means to make the movable base 18 support possible [an attitude] to the storage bag 4 with which it loaded into the body 1 of equipment Not only this but in addition to this, it is proper, and the opening operation member 20 is only formed rotatable to the body 1 of equipment, and you may make it make insertion opening of a storage bag open wide only in rotation actuation of the opening operation member 20, without forming the above movable bases 18.

[0020]

[Effect of the Invention] As explained above, the bag receipt equipment of the umbrella by this invention Load the body of equipment with the storage bag of an umbrella, and the opening operation member which opens insertion opening of the storage bag is prepared rotatable in the body of equipment. Since it constituted so that insertion opening of the above-mentioned storage bag might be opened by rotating the opening operation member at the tip of an umbrella While becoming possible to contain an umbrella easily by one-touch in a bag and being able to reduce manufacture cost, without using a motor etc. like said before Even place [which does not have a power source], it is usable, and moreover a power cord becomes obstructive, or there is also no fear of a short circuit, and there is effectiveness, like offer can do very practical equipment.

[Translation done.]

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審査請求　未請求　請求項の数２　ＦＤ　（全６頁）

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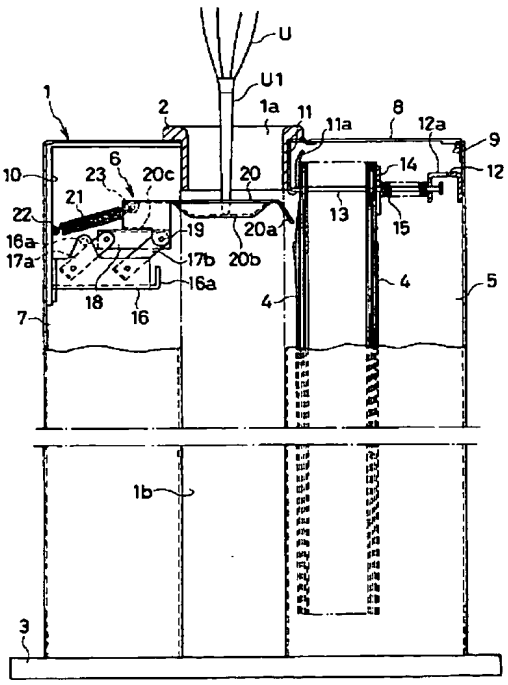
(54)【発明の名称】　傘の袋収納装置

(57)【要約】
【目的】　例えばホテルや店舗等の入り口に設置して、雨天時に濡れた傘を袋内に自動的に収納する装置およびそれに用いる傘収納袋に係り、構造簡単で、しかも確実に収納袋内に傘を収納することのできる傘の袋収納装置を提供することを目的とする。
【構成】　装置本体１に傘Ｕの収納袋４を装填し、その収納袋４の挿入口４ａを開放する開放操作部材２０を装置本体１内に回動可能に設け、その開放操作部材２０を傘の先端で回動させることによって上記収納袋４の挿入口４ａを開放するように構成したことを特徴とする。



【特許請求の範囲】
【請求項１】　装置本体に傘の収納袋を装填し、その収納袋の挿入口を開放する開放操作部材を装置本体内に回動可能に設け、その開放操作部材を傘の先端で回動させることによって上記収納袋の挿入口を開放するように構成したことを特徴とする傘の袋収納装置。
【請求項２】　前記開放操作部材は、装置本体内に装填した傘の収納袋に対して進退可能に設けた可動台を介して可動可能に支持させてなる請求項１記載の傘の袋収納装置。
【発明の詳細な説明】
【０００１】
【産業上の利用分野】本発明は、例えばホテルや店舗等の入り口に設置して、雨天時に濡れた傘を袋内に自動的に収納する装置に関する。
【０００２】
【従来の技術】従来、例えばホテルや店舗等において、雨天時に客が濡れた傘を持ち歩くことによって衣服や床または商品等が濡れるのを防ぐために、合成樹脂等よりなる収納袋に傘を収納することが行われている。また収納袋への傘の収納操作を容易に行えるように収納袋の挿入口を自動的に開放し、その開放した挿入口に傘を挿入するだけで収納できるようにした装置が種々提案されている（例えば特開昭６０－１３４８１７号、実開昭６２－１２５７０８号、特開平４－３１２２２号公報等参照）。
【０００３】
【発明が解決しようとする課題】ところが、従来のものは収納袋の挿入口を開放する手段として、負圧で吸引する手段や、多数のリンクやカム機構等を用いるものであるから、構成が複雑であると共に、真空吸引ポンプやモータ等を用いなければならないので、製作コストが増大すると共に、近くに電源のないところでは使用できない、しかも電源コードが邪魔になったり、雨天に使用するものであるから、漏電のおそれもある等の問題があった。
【０００４】本発明は上記の問題点に鑑みて提案されたもので、上記のような電源が不要で、しかも構造簡単かつ確実に袋内に傘を収納することのできる装置およびそれに適する傘収納袋を提供することを目的とする。
【０００５】
【課題を解決するための手段】上記の目的を達成するために、本発明による傘の袋収納装置は、以下の構成としたものである。すなわち、装置本体に傘の収納袋を装填し、その収納袋の挿入口を開放する開放操作部材を装置本体内に回動可能に設け、その開放操作部材を傘の先端で回動させることによって上記収納袋の挿入口を開放するように構成したことを特徴とする。
【０００６】
【作用】上記のように装置本体に装填した収納袋の挿入口を開放する開放操作部材を装置本体内に回動可能に設け、その開放操作部材を傘の先端で回動させることによって収納袋の挿入口が開放されるように構成したことによって、収納袋が簡単・確実に開放され、傘をワンタッチで袋内に収納することが可能となる。
【０００７】
【実施例】以下、本発明を図に示す実施例に基づいて具体的に説明する。図１は本発明による傘の袋収納装置の一実施例を示す斜視図、図２はその拡大縦断正面図、図３はその平面図、図４は横断平面図である。図において、１は縦長の略箱状に形成した装置本体で、その本体１の上面には傘を挿入する平面略Ｕ字状の開口部１ａが設けられ、その開口縁部には縁枠２が設けられている。また装置本体１の前面中央部には上記の開口部１ａに連続して開口部１ｂが設けられ、本体１の下端には台座３が一体的に設けられている。
【０００８】装置本体１内には図２および図４に示すように傘の収納袋４を収容する袋収容室５と、その袋収容室５内に収容した収納袋４の挿入口を開放させるための開放操作機構６を収容する機構収容室７とが設けられ、袋収容室５の上面には収納袋４を収容するための開閉蓋８がヒンジ９で開閉可能に設けられている。
【０００９】また装置本体１の上部内面には上記両室５・７に渡って固定支持基板１０が取付けられ、固定支持基板１０の袋収容室５側には支持板１１が取付けられている。その支持板１１にはフック１１ａが一体的に設けられ、そのフック１１ａと、それに対向して装置本体１の上部内面に取付けた係止部材１２とに、収納袋４を吊り下げ保持する平面略コ字形のハンガ１３が着脱自在に設けられている。
【００１０】上記収納袋４は、本実施例においては合成樹脂フィルム等により図５に示すように上部に挿入口４ａを有する封筒状に形成したもので、その挿入口４ａにおける前片４１の上端部４１ａはＵ字状に折り返されている。図の場合は上端部４１ａを後側、すなわち後片４２側に折り返したものであるが、前側すなわち後片４２と反対側に折り返してもよい。また後片４２の上端部４２ａは前片４１よりも上方に突出し、その突出部に一対の掛止孔４ｂが設けられている。その各掛止孔４ｂに前記のコ字形ハンガ１３を挿通し、そのコ字形ハンガ１３を図２に示すように上記フック１１ａおよび前記係止部材１２に形成した係止孔１２ａにそれぞれ係合させることによって多数の収納袋４が吊り下げ保持されている。
【００１１】又その吊り下げ保持された多数の収納袋４の背面側には、押圧板１４がハンガ１３に沿って移動可能に設けられ、その押圧板１４と上記係止部材１２との間には圧縮コイルばね１５が設けられている。その圧縮コイルばね１５は上記ハンガ１３に挿通保持され、そのばね１５で上記押圧板１４を収納袋４の背面に圧接させることによって収納袋４を常時図２で左方に移動付勢し

ている。

【００１２】一方、前記機構収容室７内には、前述のように収納袋４の挿入口４ａを開放させるための開放操作機構６が収容配置されており、その開放操作機構６は前記固定支持基板１０に一体的に設けた固定台１６と、その固定台１６に一対のコ字形の平行リンク１７ａ・１７ｂにより上記収納袋４に対して進退可能に設けた可動台１８と、その可動台１８上に支軸１９で回動可能に設けた板状の開放操作部材２０とよりなる。その支軸１９は図示例においては一方の平行リンク１７ｂの可動台１８に対する連結軸と兼用させるようにしたが、各々別々に設けることもある。

【００１３】上記開放操作部材２０の先端部２０ａは平面略三角形状に且つ下向きに屈曲形成され、開放操作部材２０の中央部上面には傘Ｕの先端の石突きＵ１を当接させる凹部２０ｂが形成されている。また上記開放操作部材２０の先端部２０ａと反対側の両側部には内向きコ字形の屈曲部２０ｃが形成され、その屈曲部２０ｃの下面が可動台１８の上面に当接するように構成されている。図中、２１は引張コイルばねよりなる開放操作部材２０の回動戻しばねで、その戻しばね２１の両端部はそれぞれ開放操作部材２０と前記固定支持基板１０とに設けたばね受け２２・２３に連結保持されている。１６ａ・１６ｂは前記平行リンク１７ａ・１７ｂが当接して可動台１８の揺動範囲を規制するストッパである。

【００１４】上記の構成において、傘Ｕを収納する収納袋４は図２に示すようにハンガ１３に吊り下げ保持され、圧縮コイルばね１５により押圧板１４を介して常時図２で左方に移動付勢されている。また開放操作部材２０および可動台１８は平時は戻しばね２１により図２で左方に引き寄せられ、一方のリンク１７ａがストッパ１６ａに当接して図の状態にある。

【００１５】その状態で、傘Ｕを収納袋４内に収納するに当たっては、図２に示すように装置本体１の上面のＵ字状の開口部１ａから本体１内に傘Ｕの先端部を挿入し、その先端の石突きＵ１を開放操作部材２０の凹部２０ｂの上面に当接させて傘Ｕを下方に押し下げる。すると、図６に示すように先ず開放操作部材２０が可動台１８と共に戻しばね２１に抗して図で右方に移動し、図で右側のリンク１７ｂがストッパ１６ｂに当接して可動台１８の移動が阻止されると共に、開放操作部材２０の先端部２０ａが最前位の収納袋４の後片の上部に当接する。

【００１６】その状態で更に傘Ｕを下方に押し下げると、図７に示すように開放操作部材２０が引張コイルばね２１に抗して支軸１９を中心に図で時計方向に回動して開放操作部材２０の先端部２０ａが上記収納袋４の挿入口４ａ内に進入する。さらに傘Ｕを下方に押し下げると、図８に示すように開放操作部材２０の先端部２０ａが挿入口４ａ内に深く進入し、それと同時に開放操作部材２０が更に下向きに傾斜して開放操作部材２０の凹部２０ｂの上面に当接させた傘Ｕの石突きＵ１が凹部２０ｂの表面を滑って収納袋４内に進入する。

【００１７】そして更に傘Ｕを下方に押し下げることによって図９に示すように傘Ｕを袋４内に自動的に収納することができるもので、その傘Ｕを収納した袋４は、傘Ｕと共に装置本体１の前方にやや下降させながら引き出すことによって収納袋４の掛止孔４ｂの上部がちぎれてハンガ１３から外れ、容易に取り出すことができる。また袋４に収納した傘Ｕを前方に取り出すことによって、開放操作部材２０および可動台１８は引張コイルばね２１によって図２の元の状態に自動的に復帰して待機状態となる。

【００１８】なお、上記実施例のように装置本体１内に可動台１８を、装置本体１内に装填した収納袋４に対して進退可能に設け、その可動台１８に開放操作部材２０を回動可能に支持させるようにすると、開放操作部材２０が上記のように元の状態に復帰する際に、その開放操作部材２０が支軸１９を中心に上方に回動して略水平状態に復帰するよりも前に、引張コイルばね２１により可動台１８が図９において左方に引き寄せられて開放操作部材２０も左方に移動し、開放操作部材２０が次に待機している収納袋に接触することなく元の状態に戻るため、次の収納袋をめくり上げるのを防ぐことができる。

【００１９】上記実施例は、可動台１８を装置本体１内に装填した収納袋４に対して進退可能に支持させる手段として一対の平行リンク１７ａ・１７ｂを用いたが、これに限らず、その他適宜であり、また上記のような可動台１８を設けることなく、開放操作部材２０を装置本体１に対して単に回動可能に設け、その開放操作部材２０の回動動作のみで収納袋の挿入口を開放させるようにしてもよい。

【００２０】

【発明の効果】以上説明したように、本発明による傘の袋収納装置は、装置本体に傘の収納袋を装填し、その収納袋の挿入口を開放する開放操作部材を装置本体内に回動可能に設け、その開放操作部材を傘の先端で回動させることによって上記収納袋の挿入口を開放するように構成したから、前記従来のようにモータ等を用いることなく傘を袋内にワンタッチで容易に収納することが可能となり、製作コストを低減できると共に、電源のないところでも使用可能であり、しかも電源コードが邪魔になったり、漏電のおそれもないもので、極めて実用的な装置を提供ができる等の効果がある。

【図面の簡単な説明】

【図１】本発明による傘の袋収納装置の一実施例を示す斜視図。

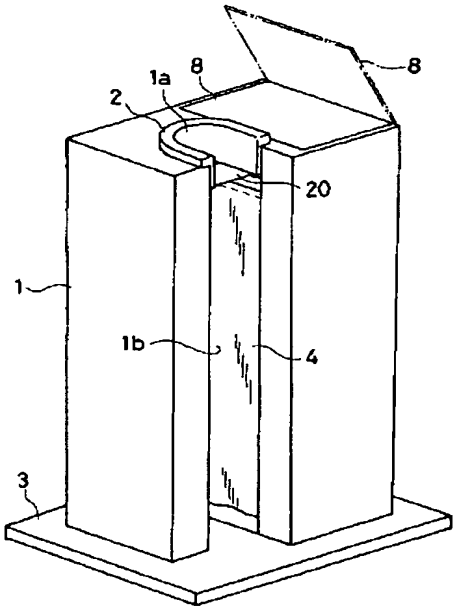
【図２】上記実施例における拡大縦断正面図。

【図３】上記実施例における拡大平面図。

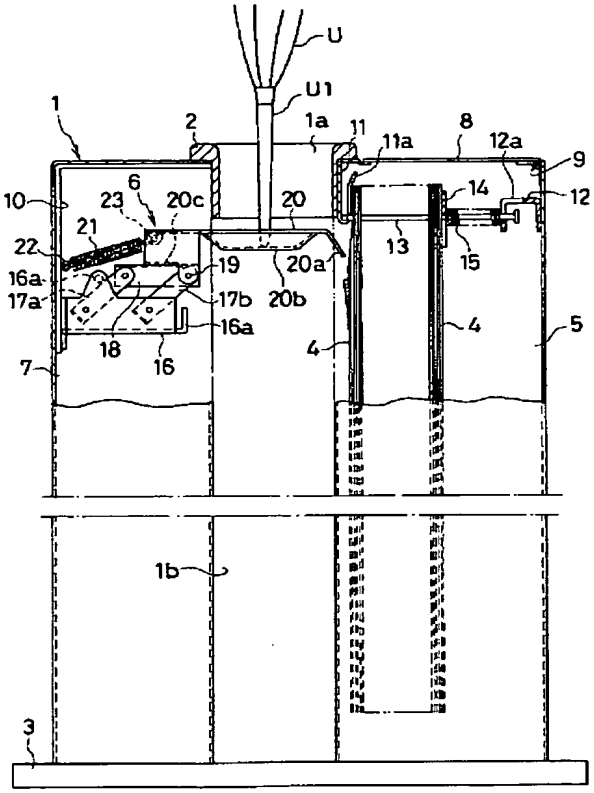
【図４】上記実施例における拡大横断平面図。

【図５】（ａ）・（ｂ）は収納袋の正面図および断面図。
【図６】収納袋に傘を収納する際の動作説明図。
【図７】収納袋に傘を収納する際の動作説明図。
【図８】収納袋に傘を収納する際の動作説明図。
【図９】収納袋に傘を収納する際の動作説明図。
【符号の説明】
１　装置本体
３　台座
４　収納袋
５　袋収容部
６　開放操作機構
７　機構収容部
１０　固定支持基板
１１　支持板
１３　ハンガ
１６　固定台
１７ａ・１７ｂ　平行リンク
１８　可動台
１９　支軸
２０　開放操作部材
Ｕ　傘

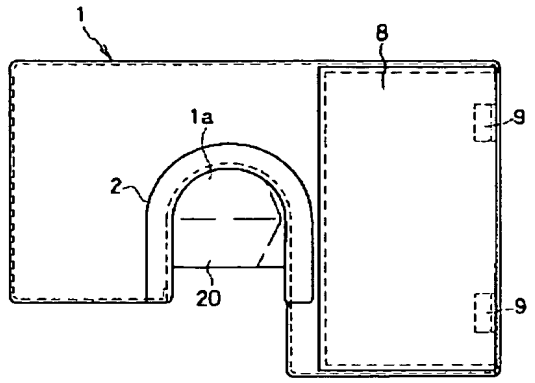
【図１】



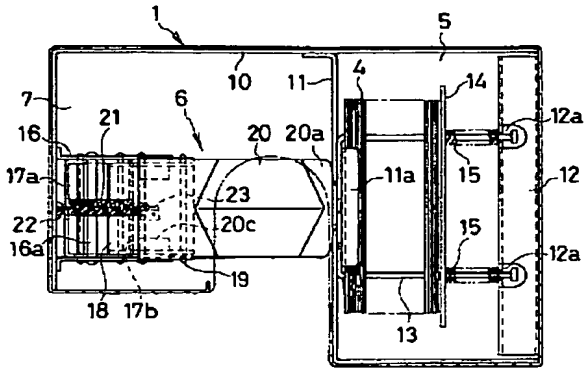
【図２】



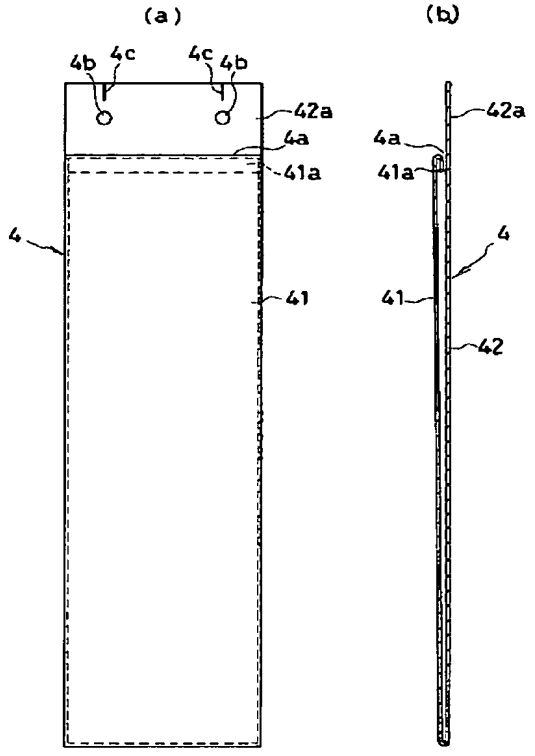
【図３】


1
8
1a
9
2
20
9

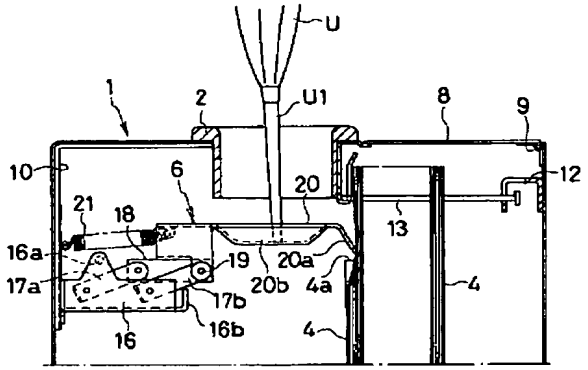
【図４】


1
5
10
11
4
14
7
6
21
12a
16
20
20a
17a
11a
15
12
23
22
20c
15
16a
12a
19
18
17b
13

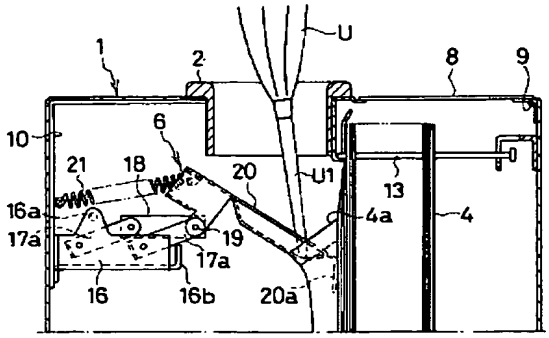
【図５】


(a)
(b)
4b
4c
4c
4b
42a
4a
41a
4
41
4a
42a
41a
4
41
42

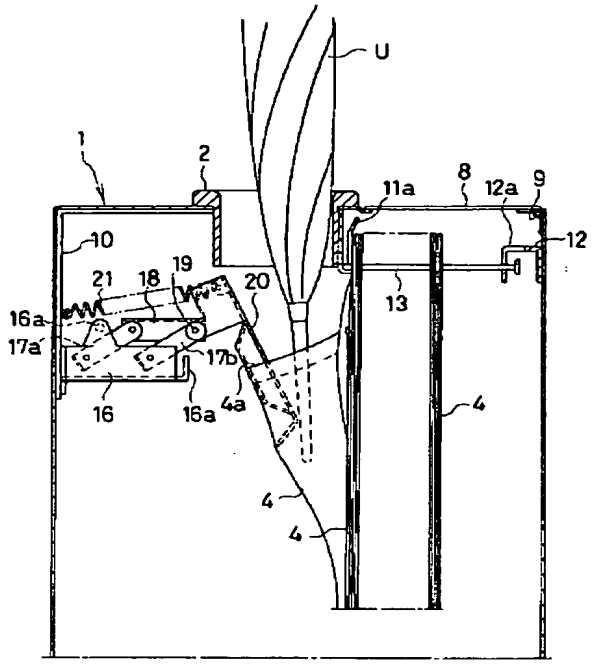
【図６】


U
1
2
U1
8
9
10
6
20
12
21
18
13
16a
19
20a
4a
4
17a
20b
17b
16b
16
4

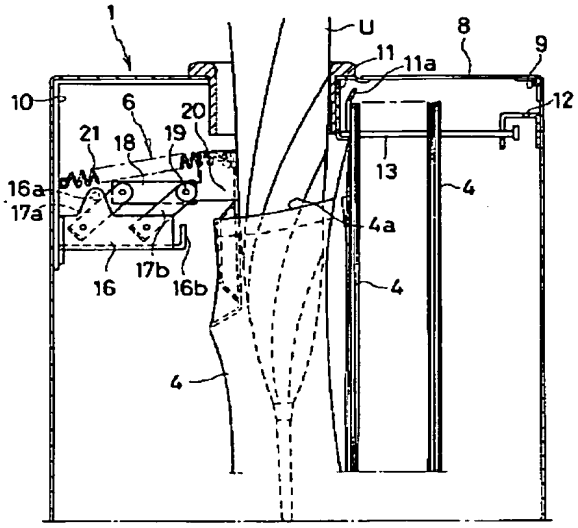
【図７】


U
1
2
8
9
10
6
21
18
20
U1
13
16a
4a
4
17a
19
17a
16
16b
20a

【図８】


U
1
2
11a
8
12a
9
12
10
21
18
19
20
16a
17a
17b
16
16a
4a
13
4
4
4

【図９】


1
U
11
11a
8
9
12
10
6
20
21
18
19
16a
17a
13
4
4a
16
17b
16b
4
4